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TITLE: DEVICE FOR DEMODULATING DIGITAL AUDIO INTERFACE  
SIGNAL  
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a fully digitized device for demodulating a digital audio interface signal which can demodulate a digital audio interface signal having a wide sampling frequency range.

SOLUTION: An edge detecting signal s102 and a latter half detecting signal s103 are extracted by an edge detecting circuit 11 from a digital audio interface signal s101. The maximum value of an edge interval within the prescribed time is obtained by a maximum edge interval detecting circuit 15 on the basis of the edge detecting signal s102 and the latter half detecting signal s103, and the threshold value of a discriminating circuit 12 is set on the basis of the maximum value of an edge interval. Thereby, discrimination of 1T, 2T, 3T can be performed stably whatever sampling frequency is given.

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